

Fig. 1 Prior Art

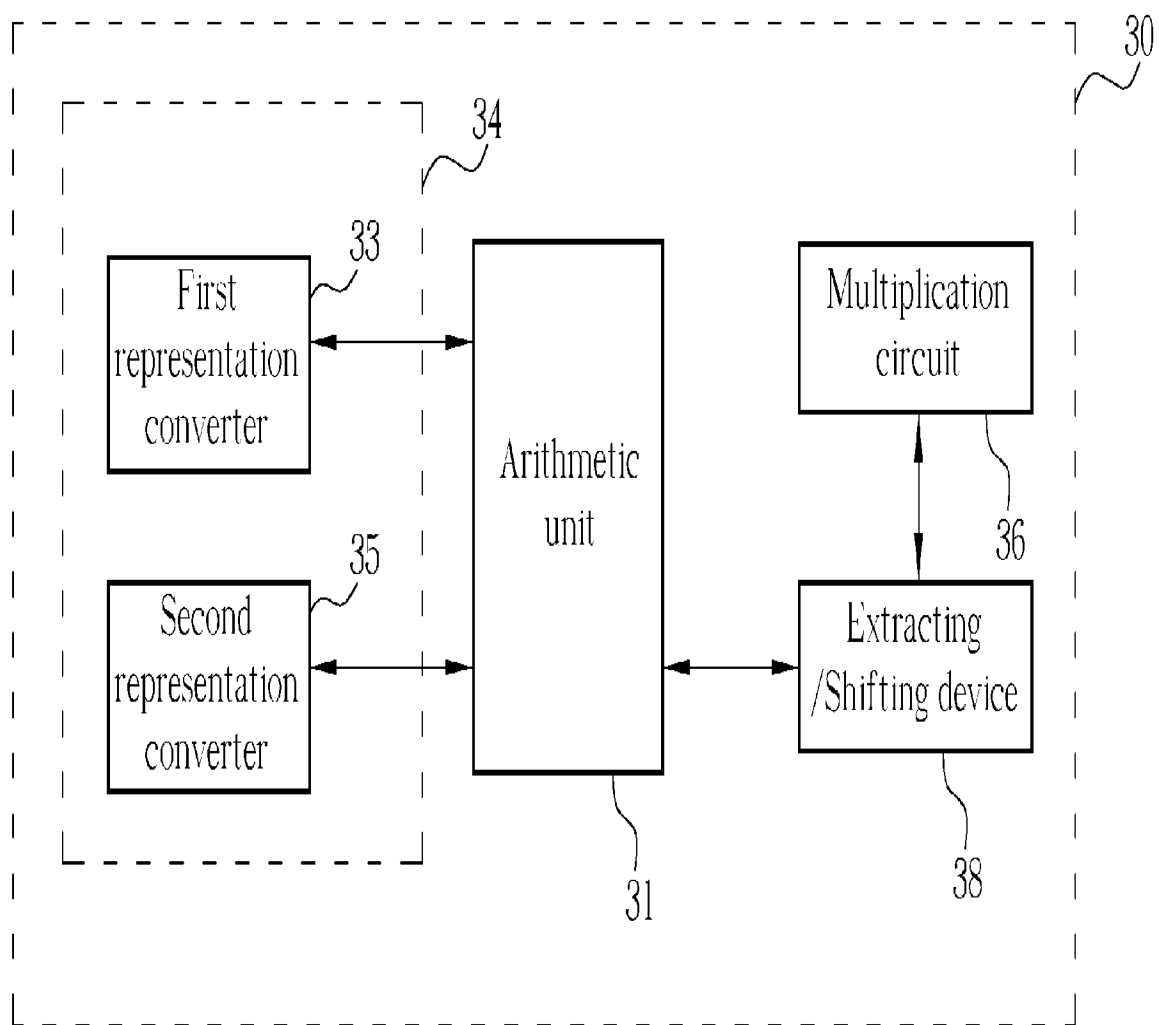


Fig. 2

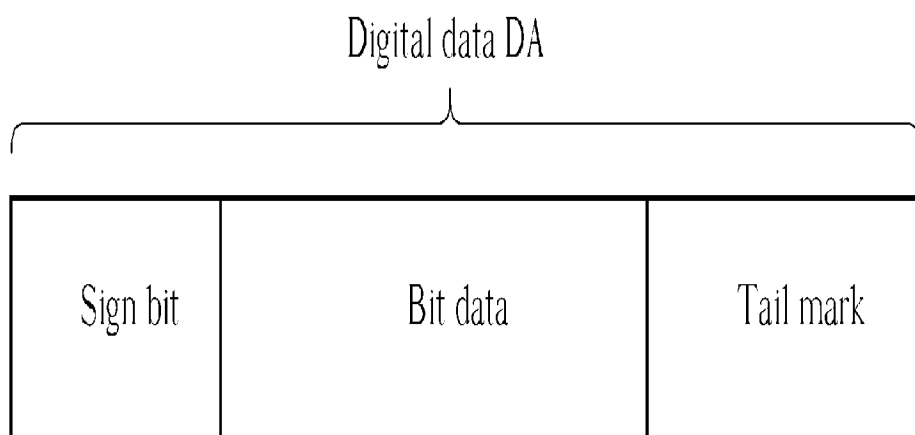


Fig. 3

Shifting mode	Bit 23	Bit 23....Bit 3	Bit 2	Bit 1	Bit 0	Illustration
The Zeroth level	Sign bit	Bit data	Bit data	Bit data	1	(Note 1) No magnifying shift
The First level	Sign bit	Bit data	Bit data	1	0	(Note 2) Magnifying shift of 4 bits
The second level	Sign bit	Bit data	1	0	0	(Note 3) Magnifying shift of 8 bits
the Third level	Sign bit	Bit data	0	0	0	(Note 4) Magnifying shift of 12 bits

Note 1: If the data is of 24-bit digital data in jumping floating-point representation, the result is 2^0 times greater than the original one after the magnifying shift.

Note 2: If the data is of 24-bit digital data in jumping floating-point representation, the result is 2^4 times greater than the original one after the magnifying shift.

Note 3: If the data is of 24-bit digital data in jumping floating-point representation, the result is 2^8 times greater than the original one after the magnifying shift.

Note 4: If the data is of 24-bit digital data in jumping floating-point representation, the result is 2^{12} times greater than the original one after the magnifying shift.

Fig. 4

Displacement mode	Bit 23	Bit 23....Bit 3	Bit 2	Bit 1	Bit 0	Illustration
The Zeroth level	Sign bit	Bit data	Bit data	Bit data	1	No magnifying shifting
The First level	Sign bit	Bit data	Bit data	1	0	Magnifying shift of 3 bits
The second level	Sign bit	Bit data	1	0	0	Magnifying shift of 7 bits
the Third level	Sign bit	Bit data	0	0	0	Magnifying shift of 12 bits

Fig. 5

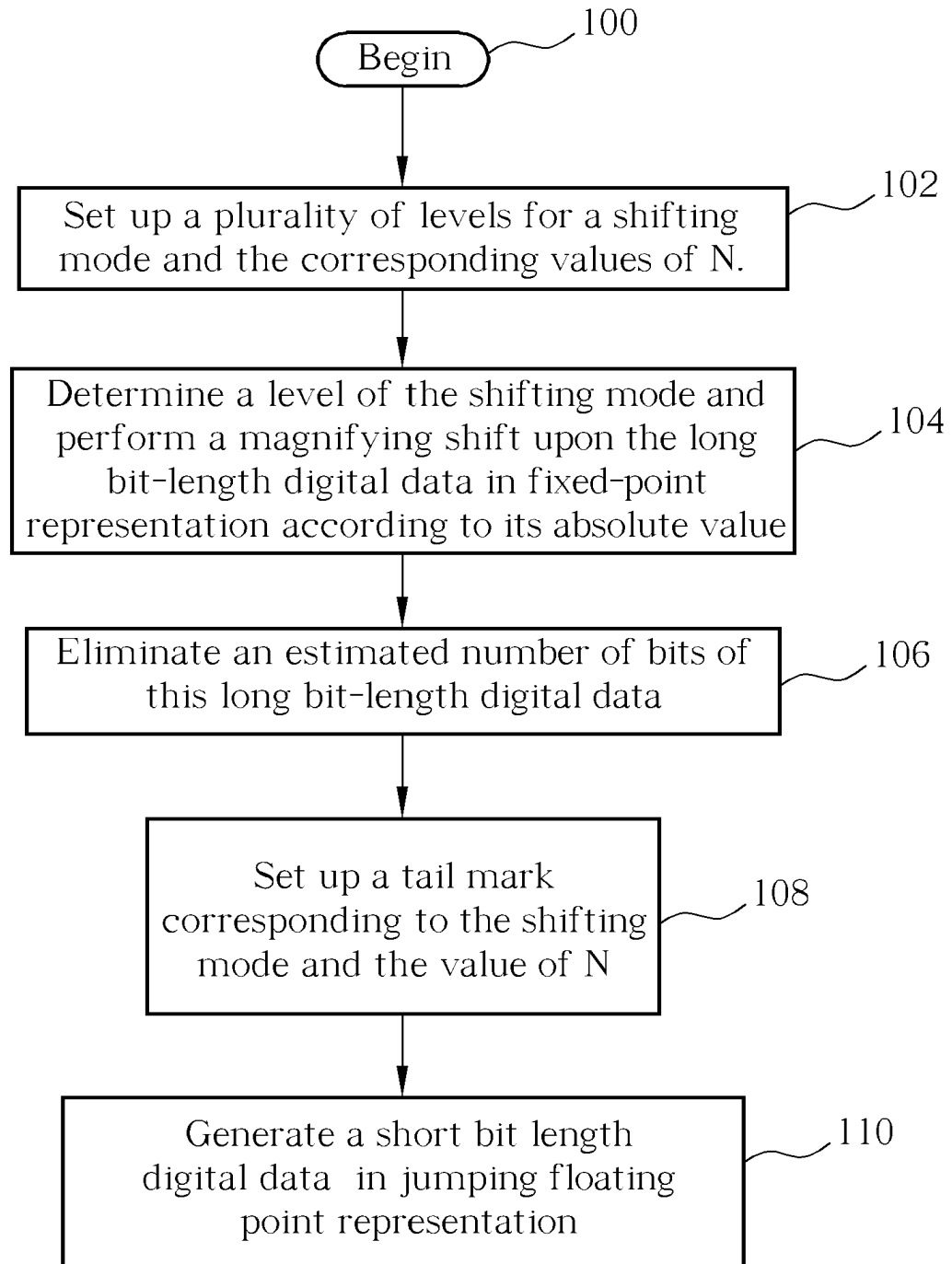


Fig. 6

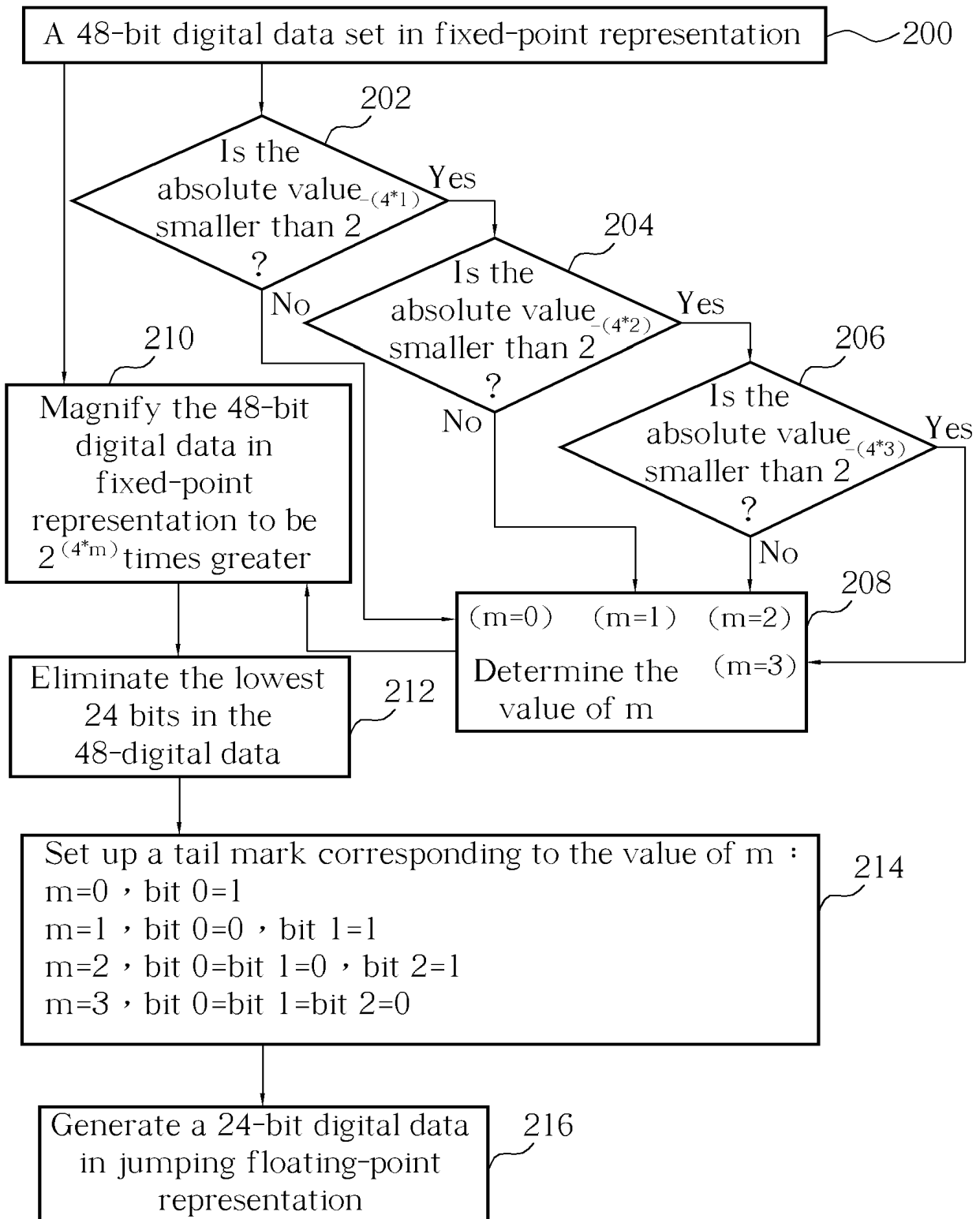


Fig. 7

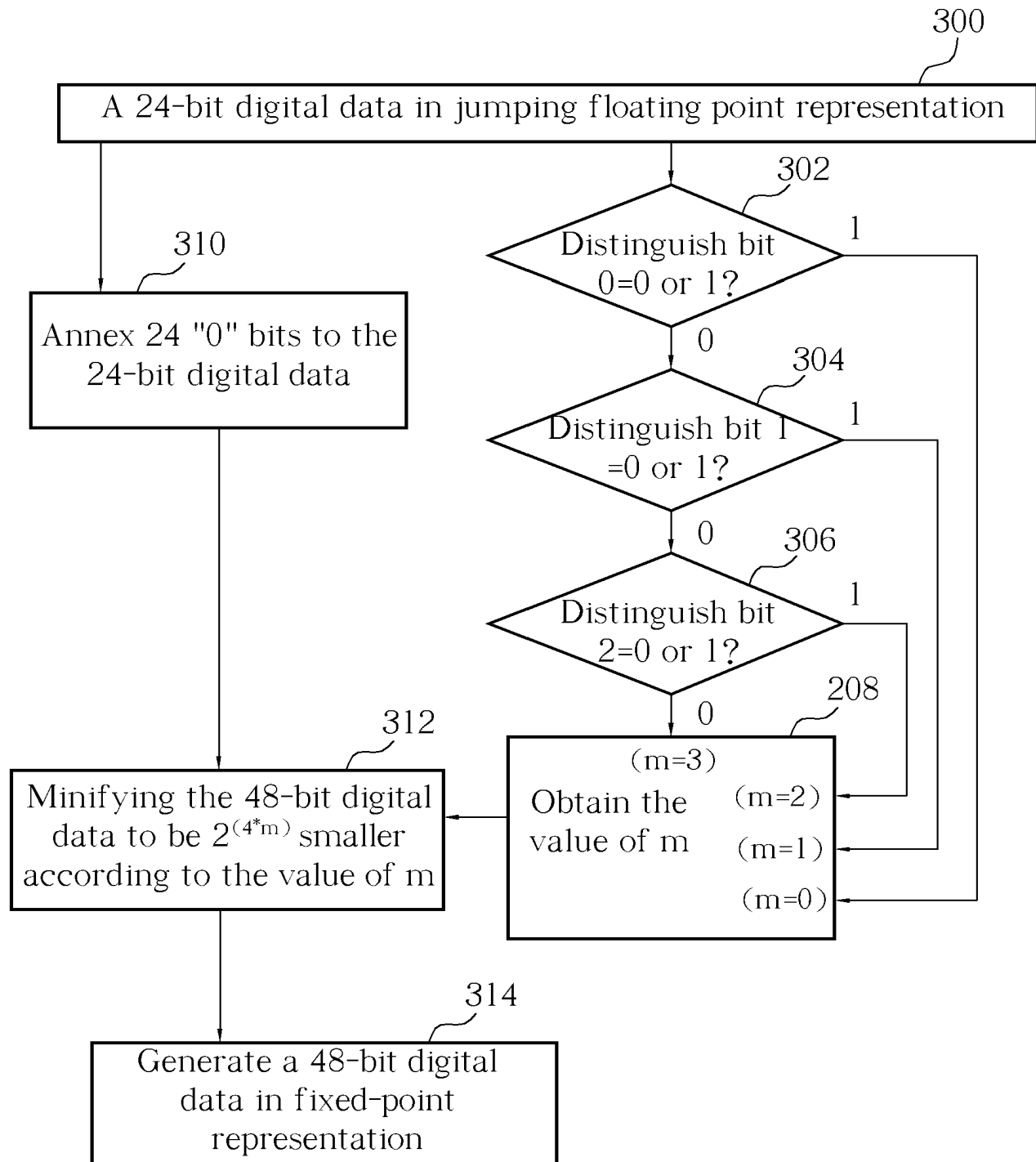


Fig. 8

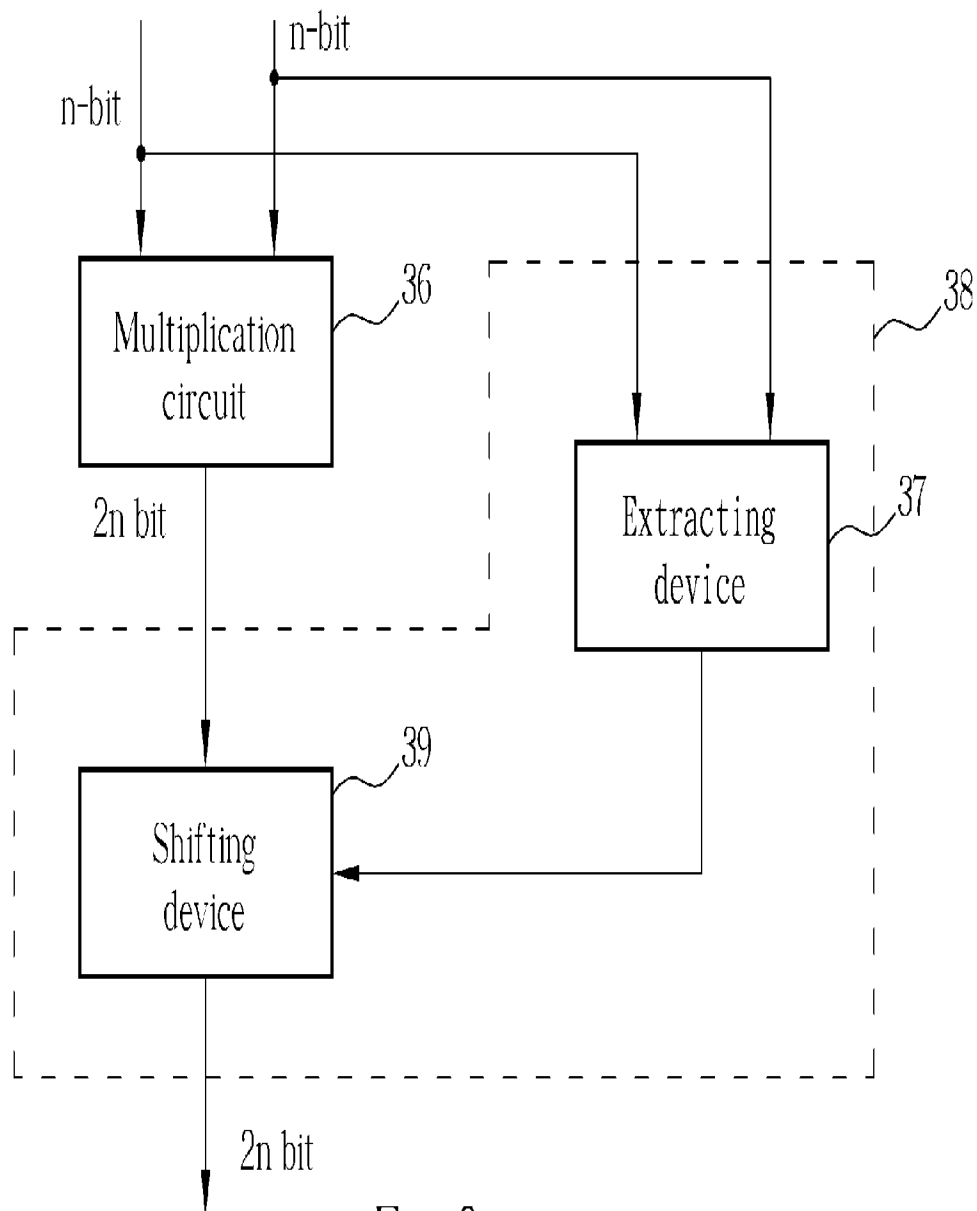


Fig. 9

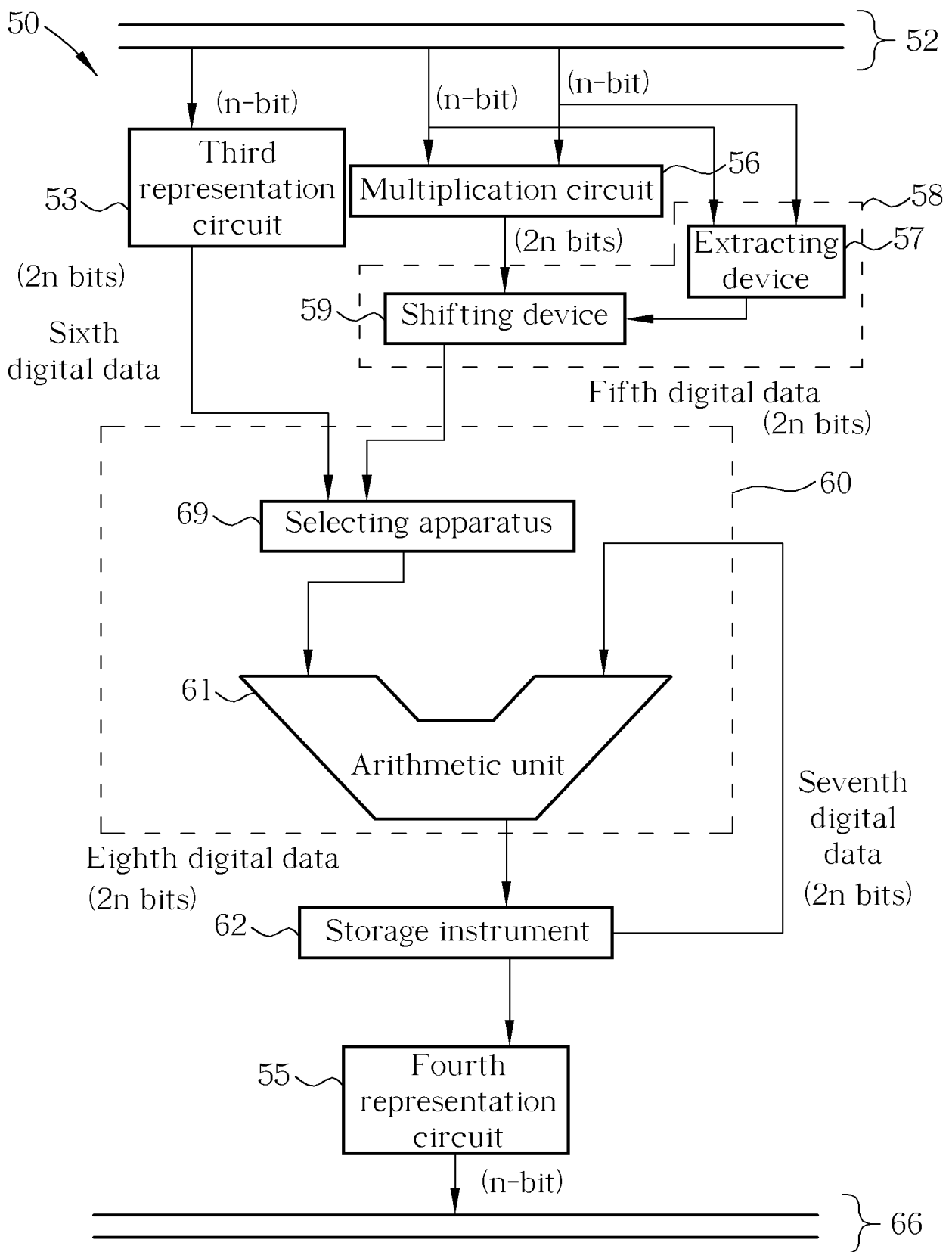


Fig. 10

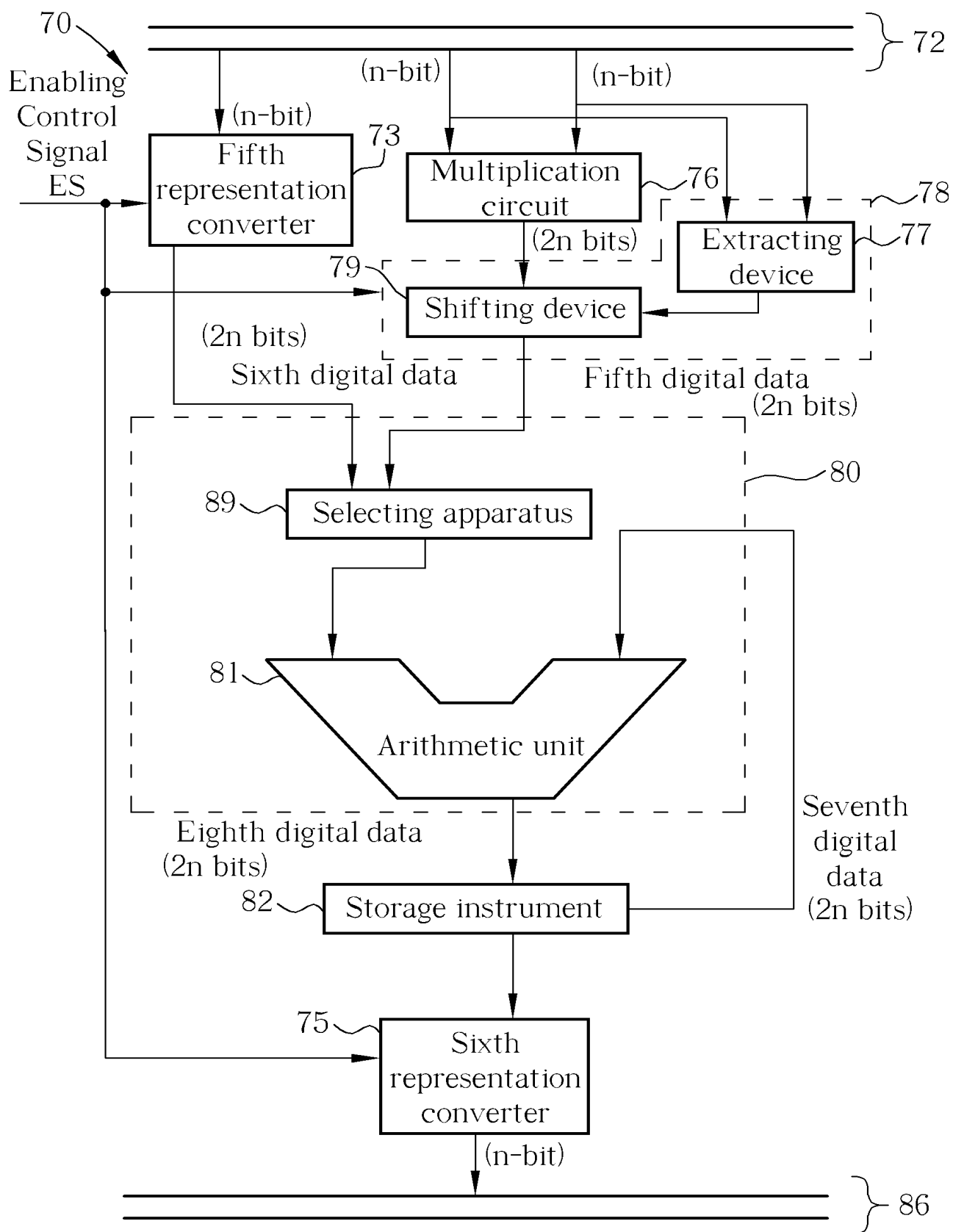


Fig. 11